WHAT IS CLAIMED IS:

1. A device, comprising:

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a connection manager to:

generate a connection type and connection specification for new connection requests; define classification rules to allow classification of packets from applications to connections; and

a bearer manager to:

obtain bandwidth allocations for the connections from a central coordinator; map connections to a corresponding bandwidth allocation.

- 2. The device of claim 1, the device further comprising a transport system to provide interface between applications and the connections.
 - 3. A method of establishing communications, the method comprising:

determining that a connection needs to be established;

generating a connection type and a connection specification;

requesting a connection from a central coordinator;

if the connection is granted, associate a connection identifier with an originating service access point; and

associate predefined parameters with the connection identifier.

- 4. The method of claim 3, determining that a connection needs to be established further comprising receiving a request from an application for a connection.
 - 5. The method of claim 3, determining that a connection needs to be established further comprising determining that a connection does not exist and automatically establishing a connection.
- 6. The method of claim 5, generating a connection type further comprising generating a connection type based upon a service access point of an application.
 - 7. The method of claim 5, generating a connecting type further comprising generating a connection type based upon messages received from an application requesting a traffic flow.
- 8. The method of claim 3, requesting a connection further comprising requesting a connection selected from the group comprising: continuous grant service, periodic grant service and aperiodic grant service.
 - 9. The method of claim 8, requesting a connection further comprising requesting a connection selection from the group comprising: unicast, multicast and broadcast.

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- 10. The method of claim 5, generating a connection specification further comprising generating a connection specification based upon information within protocols encapsulating application data received through the service access points
- 11. The method of claim 5, generating a connection specification further comprising generating a connection specification based upon a direct specification from an application.

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- 12. The method of claim 3, generating a connection type further comprising generating a connection type as one of the group comprised of continuous grant, periodic grant, and priority aperiodic grant.
- 13. A method of establishing a multicast connection in a centralized communication system, the method comprising:
 - creating multiple point-to-point connections between a source device and at least two destination devices;
 - replicating application data such that a replica exists for each destination device; and transmitting the replicas on the point-to-point connections.
 - 14. The method of claim 13, wherein at least two devices further comprises less than all possible destination devices.
 - 15. The method of claim 13, wherein at least two devices further comprises all possible destination devices for the application data.
- 20 16. A method of establishing a broadcast connection, the method comprising:
 - requesting a bandwidth allocation from a central coordinator;
 - receiving an indication of a time and size of a bandwidth allocation on a broadcast channel:
 - transmitting a broadcast message according to the bandwidth allocation time on a broadcast channel, such that the broadcast message includes any information needed for processing of the received message.
 - 17. A method of monitoring connections, the method comprising:
 - determining whether a traffic flow on a connection has attributes that conform to predefined attributes in a connection specification;
- if the traffic flow does not have the attributes that conform to the predefined attributes:
 - informing a connection manager; and performing a remedial action on the connection.
 - 18. The method of claim 17, determining whether a traffic flow has attributes that conform further comprising monitoring traffic flow on a receiving device.

- 19. The method of claim 17, determining whether a traffic flow has attributes that conform further comprising monitoring traffic flow on a transmitting device.
- 20. The method of claim 17, performing a remedial action further comprising informing a central coordinator of a violation and the central coordinator requests a reconfiguration of a bearer carrying the connection.
- 21. The method of claim 17, performing a remedial action further comprising informing a central coordinator that prevents sharing of bandwidth between the connection and other connections or control channels.
- 22. The method of claim 17, performing a remedial action further comprising generating a new connection specification and informing a peer connection manager of the new connection specification.

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